



- GENERAL NOTES**
1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
  2. INSTALL CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
  3. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
  4. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
  5. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
  6. REFER TO SIGNING AND MARKING PLANS FOR ADDITIONAL PAVEMENT MARKING DETAILS.

- CONSTRUCTION DETAILS**
- A. INSTALL HANDHOLE.
  - B. INSTALL 5" WHITE IN. LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
  - C. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
  - D. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
  - E. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
  - F. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
  - G. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
  - H. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
  - I. USE EXISTING HANDHOLE.
  - J. USE EXISTING CONDUIT.
  - K. INSTALL SIGNAL HEADS AND SIGNS ON MAST ARM AS NOTED.
  - L. INSTALL SIGNAL HEAD AND SIGN ON MAST ARM AS NOTED. RELOCATE EXISTING SIGNAL HEADS AS NOTED.
  - M. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
  - N. USE EXISTING STEEL POLE.
  - O. ADJUST VIDEO DETECTION CAMERA TO ENSURE PROPER DETECTION DUE TO SHIFTING OF TRAVEL LANES. ADJUSTING OF VIDEO DETECTION CAMERA WILL NOT BE MEASURED AND PAID BUT BE INCIDENTAL TO FURNISH AND INSTALL VIDEO DETECTION CAMERA UNIT COST.
  - P. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PREVIOUSLY INSTALLED 3 IN. CONDUIT.
  - Q. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND RIGHT-OF-WAY LINE. (SIGN TO READ "PUSH BUTTON TO CROSS EASTERN AVENUE." (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
  - R. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND RIGHT-OF-WAY LINE. (SIGN TO READ "PUSH BUTTON TO CROSS EASTERN AVENUE." (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
  - S. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
  - T. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
  - U. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

|              |    |
|--------------|----|
| AERIAL CABLE | A  |
| ELECTRICAL   | E  |
| TELEPHONE    | T  |
| GAS          | G  |
| SEWER        | SS |
| STORM DRAIN  | SD |
| WATER        | W  |
| CABLE TV     | TV |

**WR&A**

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| REVISIONS  | APPROVALS   |
|--|---|
| 1. ADDED COUNTDOWN PED. SIGNAL HEADS, APS AND CROSSWALK SHA NO. BA84751T 6/16/2008 | TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION |
| 2. REBUILD TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS SHA NO. BA84751T 10/18/02  | ASST. TRAFFIC ENGINEERING DESIGN DIVISION         |
| 3. RECONSTRUCT HIBIS OVERHEAD, ADD TRAFFIC CONTROL SIGNAL SHA #AW2785185 8/97      | CHEF, TRAFFIC ENGINEERING DESIGN DIVISION         |
| EMM  | DIRECTOR, TRAFFIC & SAFETY                        |

**ULTIMATE SIGNAL - TSP - 10**

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNALIZATION PLAN  
MD 150 AND MD AIR NATIONAL GUARD

|                             |                       |                   |
|-----------------------------|-----------------------|-------------------|
| DRAWN BY: S.R. BARANOWSKI   | F.A.P. NO.            | TS NO.            |
| CHECKED BY: S.R. BARANOWSKI | S.H.A. NO.            | 25688             |
| SCALE: 1" = 20'             | COUNTY: BALTIMORE     | T.I.M.S. NO. E442 |
| DATE: 9-24-87               | LOG MILE: 03015006.73 | OF                |

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